**PROFINET Interface Module for Torque Transducers Ensures Flexibility in the Test Bench**

The TIM-PROFINET interface module from HBM Test and Measurement (HBM) is particularly fast and ideal for highly dynamic applications due to its bus cycle time of 4 kHz. It integrates torque and rotational speed measurements with fieldbus-based automation and control systems of test benches used for electric motors and combustion engines, gears, pumps and compressors.

Besides HBM torque transducers with a TMC (Torque Measurement Communication) digital output signal such as the T40 series, torque sensors with a classic frequency signal for torque and rotational speed can be easily and conveniently integrated with PROFINET networks. This reduces module variance and increases flexibility in the test bench.

*Image: TIM-PN PROFINET interface module with IRT functionality from HBM*

**HBM Test and Measurement**

Founded in Germany in 1950, Hottinger Baldwin Messtechnik GmbH (HBM Test and Measurement) is today the technology and market leader in the field of test and measurement. HBM's product range comprises solutions for the entire measurement chain, from virtual to physical testing. The company has production facilities in Germany, USA, Portugal and China and is represented in over 80 countries worldwide.